

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 101593831
Source: FTWJP
Date Processed by STIC: 10/3/06

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IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/593,831

DATE: 10/03/2006
TIME: 08:46:42

Input Set : A:\PCTJP2005006006.txt
Output Set: N:\CRF4\10032006\J593831.raw

3 <110> APPLICANT: Daiichi Suntory Pharma Co., Ltd.
 5 <120> TITLE OF INVENTION: Method for expansion of pluripotent stem cells
 7 <130> FILE REFERENCE: DSTY-R678/PCT (fP05-02WO-1)
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/593,831
 C--> 9 <141> CURRENT FILING DATE: 2006-09-22
 9 <160> NUMBER OF SEQ ID NOS: 24
 11 <170> SOFTWARE: PatentIn version 3.1
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 882
 15 <212> TYPE: PRT
 16 <213> ORGANISM: Human E-cadherin
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 21 <223> OTHER INFORMATION: EC1
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 58 Asp Ala Glu Ser Tyr Thr Phe Thr Val Pro Arg Arg His Leu Glu Arg
 59 35 40 45
 62 Gly Arg Val Leu Gly Arg Val Asn Phe Glu Asp Cys Thr Gly Arg Gln
 63 50 55 60
 66 Arg Thr Ala Tyr Phe Ser Leu Asp Thr Arg Phe Lys Val Gly Thr Asp
 67 65 70 75 80
 70 Gly Val Ile Thr Val Lys Arg Pro Leu Arg Phe His Asn Pro Gln Ile

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79	115	120	125	
82	Gln Ala Ser Val Ser Gly Ile Gln Ala Glu Leu Leu Thr Phe Pro Asn			
83	130	135	140	
86	Ser Ser Pro Gly Leu Arg Arg Gln Lys Arg Asp Trp Val Ile Pro Pro			
87	145	150	155	160
90	Ile Ser Cys Pro Glu Asn Glu Lys Gly Pro Phe Pro Lys Asn Leu Val			
91	165	170	175	
94	Gln Ile Lys Ser Asn Lys Asp Lys Glu Gly Lys Val Phe Tyr Ser Ile			
95	180	185	190	
98	Thr Gly Gln Gly Ala Asp Thr Pro Pro Val Gly Val Phe Ile Ile Glu			
99	195	200	205	
102	Arg Glu Thr Gly Trp Leu Lys Val Thr Glu Pro Leu Asp Arg Glu Arg			
103	210	215	220	
106	Ile Ala Thr Tyr Thr Leu Phe Ser His Ala Val Ser Ser Asn Gly Asn			
107	225	230	235	240
110	Ala Val Glu Asp Pro Met Glu Ile Leu Ile Thr Val Thr Asp Gln Asn			
111	245	250	255	
114	Asp Asn Lys Pro Glu Phe Thr Gln Glu Val Phe Lys Gly Ser Val Met			
115	260	265	270	
118	Glu Gly Ala Leu Pro Gly Thr Ser Val Met Glu Val Thr Ala Thr Asp			
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122	Ala Asp Asp Asp Val Asn Thr Tyr Asn Ala Ala Ile Ala Tyr Thr Ile			
123	290	295	300	
126	Leu Ser Gln Asp Pro Glu Leu Pro Asp Lys Asn Met Phe Thr Ile Asn			
127	305	310	315	320
130	Arg Asn Thr Gly Val Ile Ser Val Val Thr Thr Gly Leu Asp Arg Glu			
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134	Ser Phe Pro Thr Tyr Thr Leu Val Val Gln Ala Ala Asp Leu Gln Gly			
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138	Glu Gly Leu Ser Thr Thr Ala Thr Ala Val Ile Thr Val Thr Asp Thr			
139	355	360	365	
142	Asn Asp Asn Pro Pro Ile Phe Asn Pro Thr Thr Tyr Lys Gly Gln Val			
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146	Pro Glu Asn Glu Ala Asn Val Val Ile Thr Thr Leu Lys Val Thr Asp			
147	385	390	395	400
150	Ala Asp Ala Pro Asn Thr Pro Ala Trp Glu Ala Val Tyr Thr Ile Leu			
151	405	410	415	
154	Asn Asp Asp Gly Gly Gln Phe Val Val Thr Thr Asn Pro Val Asn Asn			
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158	Asp Gly Ile Leu Lys Thr Ala Lys Gly Leu Asp Phe Glu Ala Lys Gln			
159	435	440	445	
162	Gln Tyr Ile Leu His Val Ala Val Thr Asn Val Val Pro Phe Glu Val			
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166	Ser Leu Thr Thr Ser Thr Ala Thr Val Thr Val Asp Val Leu Asp Val			
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174 Glu Asp Phe Gly Val Gly Gln Glu Ile Thr Ser Tyr Thr Ala Gln Glu
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178 Pro Asp Thr Phe Met Glu Gln Lys Ile Thr Tyr Arg Ile Trp Arg Asp
179 515 520 525
182 Thr Ala Asn Trp Leu Glu Ile Asn Pro Asp Thr Gly Ala Ile Ser Thr
183 530 535 540
186 Arg Ala Glu Leu Asp Arg Glu Asp Phe Glu His Val Lys Asn Ser Thr
187 545 550 555 560
190 Tyr Thr Ala Leu Ile Ile Ala Thr Asp Asn Gly Ser Pro Val Ala Thr
191 565 570 575
194 Gly Thr Gly Thr Leu Leu Leu Ile Leu Ser Asp Val Asn Asp Asn Ala
195 580 585 590
198 Pro Ile Pro Glu Pro Arg Thr Ile Phe Phe Cys Glu Arg Asn Pro Lys
199 595 600 605
202 Pro Gln Val Ile Asn Ile Ile Asp Ala Asp Leu Pro Pro Asn Thr Ser
203 610 615 620
206 Pro Phe Thr Ala Glu Leu Thr His Gly Ala Ser Ala Asn Trp Thr Ile
207 625 630 635 640
210 Gln Tyr Asn Asp Pro Thr Gln Glu Ser Ile Ile Leu Lys Pro Lys Met
211 645 650 655
214 Ala Leu Glu Val Gly Asp Tyr Lys Ile Asn Leu Lys Leu Met Asp Asn
215 660 665 670
218 Gln Asn Lys Asp Gln Val Thr Thr Leu Glu Val Ser Val Cys Asp Cys
219 675 680 685
222 Glu Gly Ala Ala Gly Val Cys Arg Lys Ala Gln Pro Val Glu Ala Gly
223 690 695 700
226 Leu Gln Ile Pro Ala Ile Leu Gly Ile Leu Gly Gly Ile Leu Ala Leu
227 705 710 715 720
230 Leu Ile Leu Ile Leu Leu Leu Leu Phe Leu Arg Arg Arg Ala Val
231 725 730 735
234 Val Lys Glu Pro Leu Leu Pro Pro Glu Asp Asp Thr Arg Asp Asn Val
235 740 745 750
238 Tyr Tyr Tyr Asp Glu Glu Gly Gly Glu Glu Asp Gln Asp Phe Asp
239 755 760 765
242 Leu Ser Gln Leu His Arg Gly Leu Asp Ala Arg Pro Glu Val Thr Arg
243 770 775 780
246 Asn Asp Val Ala Pro Thr Leu Met Ser Val Pro Arg Tyr Leu Pro Arg
247 785 790 795 800
250 Pro Ala Asn Pro Asp Glu Ile Gly Asn Phe Ile Asp Glu Asn Leu Lys
251 805 810 815
254 Ala Ala Asp Thr Asp Pro Thr Ala Pro Pro Tyr Asp Ser Leu Leu Val
255 820 825 830
258 Phe Asp Tyr Glu Gly Ser Gly Ser Glu Ala Ala Ser Leu Ser Ser Leu
259 835 840 845
262 Asn Ser Ser Glu Ser Asp Lys Asp Gln Asp Tyr Asp Tyr Leu Asn Glu
263 850 855 860
266 Trp Gly Asn Arg Phe Lys Lys Leu Ala Asp Met Tyr Gly Gly Glu

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275	<211> LENGTH: 884			
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316	20 25 30			
319	Gly Phe Ser Ser Glu Val Tyr Thr Phe Pro Val Pro Glu Arg His Leu			
320	35 40 45			
323	Glu Arg Gly His Val Leu Gly Arg Val Arg Phe Glu Gly Cys Thr Gly			
324	50 55 60			
327	Arg Pro Arg Thr Ala Phe Phe Ser Glu Asp Ser Arg Phe Lys Val Ala			
328	65 70 75 80			
331	Thr Asp Gly Thr Ile Thr Val Lys Arg His Leu Lys Leu His Lys Leu			
332	85 90 95			
335	Glu Thr Ser Phe Leu Val Arg Ala Arg Asp Ser Ser His Arg Glu Leu			
336	100 105 110			
339	Ser Thr Lys Val Thr Leu Lys Ser Met Gly His His His Arg His			
340	115 120 125			
343	His His Arg Asp Pro Ala Ser Glu Ser Asn Pro Glu Leu Leu Met Phe			
344	130 135 140			
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348	145 150 155 160			
351	Pro Pro Ile Ser Cys Pro Glu Asn Glu Lys Gly Glu Phe Pro Lys Asn			
352	165 170 175			

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359 Ser Ile Thr Gly Gln Gly Ala Asp Lys Pro Pro Val Gly Val Phe Ile
360      195          200          205
363 Ile Glu Arg Glu Thr Gly Trp Leu Lys Val Thr Gln Pro Leu Asp Arg
364      210          215          220
367 Glu Ala Ile Ala Lys Tyr Ile Leu Tyr Ser His Ala Val Ser Ser Asn
368 225          230          235          240
371 Gly Glu Ala Val Glu Asp Pro Met Glu Ile Val Ile Thr Val Thr Asp
372      245          250          255
375 Gln Asn Asp Asn Arg Pro Glu Phe Thr Gln Pro Val Phe Glu Gly Phe
376      260          265          270
379 Val Ala Glu Gly Ala Val Pro Gly Thr Ser Val Met Lys Val Ser Ala
380      275          280          285
383 Thr Asp Ala Asp Asp Asp Val Asn Thr Tyr Asn Ala Ala Ile Ala Tyr
384      290          295          300
387 Thr Ile Val Ser Gln Asp Pro Glu Leu Pro His Lys Asn Met Phe Thr
388 305          310          315          320
391 Val Asn Arg Asp Thr Gly Val Ile Ser Val Leu Thr Ser Gly Leu Asp
392      325          330          335
395 Arg Glu Ser Tyr Pro Thr Tyr Thr Leu Val Val Gln Ala Ala Asp Leu
396      340          345          350
399 Gln Gly Glu Gly Leu Ser Thr Thr Ala Lys Ala Val Ile Thr Val Lys
400      355          360          365
403 Asp Ile Asn Asp Asn Ala Pro Val Phe Asn Pro Ser Thr Tyr Gln Gly
404      370          375          380
407 Gln Val Pro Glu Asn Glu Val Asn Ala Arg Ile Ala Thr Leu Lys Val
408 385          390          395          400
411 Thr Asp Asp Asp Ala Pro Asn Thr Pro Ala Trp Lys Ala Val Tyr Thr
412      405          410          415
415 Val Val Asn Asp Pro Asp Gln Gln Phe Val Val Val Thr Asp Pro Thr
416      420          425          430
419 Thr Asn Asp Gly Ile Leu Lys Thr Ala Lys Gly Leu Asp Phe Glu Ala
420      435          440          445
423 Lys Gln Gln Tyr Ile Leu His Val Arg Val Glu Asn Glu Glu Pro Phe
424      450          455          460
427 Glu Gly Ser Leu Val Pro Ser Thr Ala Thr Val Thr Val Asp Val Val
428 465          470          475          480
431 Asp Val Asn Glu Ala Pro Ile Phe Met Pro Ala Glu Arg Arg Val Glu
432      485          490          495
435 Val Pro Glu Asp Phe Gly Val Gly Gln Glu Ile Thr Ser Tyr Thr Ala
436      500          505          510
439 Arg Glu Pro Asp Thr Phe Met Asp Gln Lys Ile Thr Tyr Arg Ile Trp
440      515          520          525
443 Arg Asp Thr Ala Asn Trp Leu Glu Ile Asn Pro Glu Thr Gly Ala Ile
444      530          535          540
447 Phe Thr Arg Ala Glu Met Asp Arg Glu Asp Ala Glu His Val Lys Asn
448 545          550          555          560
451 Ser Thr Tyr Val Ala Leu Ile Ile Ala Thr Asp Asp Gly Ser Pro Ile

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/593,831

DATE: 10/03/2006

TIME: 08:46:43

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Output Set: N:\CRF4\10032006\J593831.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date